

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
17 February 2005 (17.02.2005)

PCT

(10) International Publication Number  
**WO 2005/014496 A1**

(51) International Patent Classification<sup>7</sup>: **C03B 1/00**,  
37/04, B02C 19/00

Michael [DE/DE]; Institutweg 4, 69198 Schriesheim  
(DE).

(21) International Application Number:  
PCT/EP2004/009059

(74) Agent: **WINTER BRANDL FÜRNISS HÜBNER  
RÖSS KAISER POLTE-PATERNERSHIP-**; Patent-and  
Law Firm, Alois-Steinecker-Strasse 22, 85354 Freising  
(DE).

(22) International Filing Date: 12 August 2004 (12.08.2004)

(25) Filing Language: English

(81) Designated States (*unless otherwise indicated, for every  
kind of national protection available*): AE, AG, AL, AM,  
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,  
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,  
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,  
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,  
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,  
ZW.

(26) Publication Language: English

(30) Priority Data:  
103 37 087.0 12 August 2003 (12.08.2003) DE

(71) Applicant (*for all designated States except US*):  
**SAINT-GOBAIN ISOVER** [FR/FR]; Les Miroirs,  
18, avenue d'Alsace, F-92400 Courbevoie (FR).

(72) Inventors; and

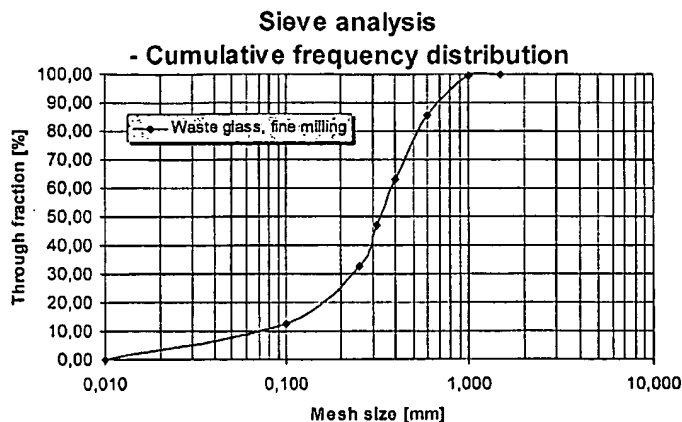
(84) Designated States (*unless otherwise indicated, for every  
kind of regional protection available*): ARIPO (BW, GH,  
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,  
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,  
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,

(75) Inventors/Applicants (*for US only*): **BOHRT**, Matthias  
[DE/DE]; Hebborner Berg 22, 51429 Bergisch Gladbach  
(DE). **SCHLEICHER**, Peter [DE/DE]; Slevogt Weg 4,  
67122 Altrip (DE). **KATZSCHMANN**, Axel [DE/DE];  
Helmholzstr. 99, 68723 Schwetzingen (DE). **SCHUMM**,

[Continued on next page]

(54) Title: METHOD FOR PRODUCING A GRANULATE OF WASTE GLASS AND ITS USE FOR THE MANUFACTURE OF  
MINERAL WOOL PRODUCTS

Result of a sieve analysis of the charged ground waste glass  
granulate



(57) Abstract: The present invention relates to a method for producing a granulate from waste glass for the manufacture of mineral wool products, obtained with the aid of at least one spinner having the form of a spinner basket, the peripheral wall of which includes a multiplicity of small-diameter outlet orifices through which a molten glass material is spun off in the form of filaments that are subjected to a supplementary attenuating action of a preferably downwardly directed gas flow, wherein a part of the molten glass material is constituted by glass fragments including impurities like ceramic proportions in a ground form, the granulometry of which is the same size or smaller than the smallest diameter of the outlet orifices in the peripheral wall of the spinner.